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Complete if Known	
Application Number	09/387,747
Filing Date	August 31, 1999
First Named Inventor	Bowman-Amuah
Art Unit	2122
Examiner Name	Todd Ingberg
Attorney Docket Number	AND1P229

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. [1]	Document Number — Number -Kind Code[2] (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
TI	1	US-4,558,413	12/10/1985	Schmidt et al.
	2	US-4,809,170	12/28/1989	Leblang et al.
	3	US-4,912,637	03/27/1990	Sheedy et al.
	4	US-5,278,979	01/11/1994	Foster et al.
	5	US-5,473,777	12/05/1995	Moeller et al.
	6	US-5,475,845	12/12/1995	Orton et al.
	7	US-5,577,209	11/19/1996	Boyle et al.
	8	US-5,724,589	03/03/1998	Wold
	9	US-5,752,034	05/12/1998	Srivastava et al.
	10	US-5,752,034	05/12/1998	Srivastava et al.
	11	US-5,764,973	06/09/1998	Lunceford et al.
	12	US-5,787,280	07/28/1998	Joseph et al.
	13	US-5,805,889	09/08/1998	Van De Vanter
	14	US-5,805,899	09/08/1998	Evan et al.
	15	US-5,835,911	11/10/1998	Nakagawa et al.
	16	US-5,862,386	01/19/1999	Joseph et al.
	17	US-5,884,078	03/16/1999	Faustini
	18	US-5,893,905	04/13/1999	Main et al.
	19	US-5,905,715	05/18/1999	Azarmi et al.
	20	US-5,960,196	09/28/1999	Carrier III et al.
	21	US-5,974,428	10/26/1999	Gerard et al.
TI	22	US-5,987,611	11/16/1999	Freund

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Application Number	09/387,747
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Examiner Name	Todd Ingberg
Attorney Docket Number	AND1P229

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TF	23	US-6,070,190	05/30/2000	Reps et al.
	24	US-6,148,337	11/14/2000	Estberg et al.
	25	US-6,151,700	11/21/2000	Fox
	26	US-6,170,081	01/02/2001	Fontana et al.
	27	US-6,173,439	01/09/2001	Carlson et al.
	28	US-6,256,773	07/03/2001	Bowman-Amuah
TF	29	US-6,324,647	11/27/2001	Bowman-Amuah

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. [1]	Foreign Patent Document: Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T[6]
	30	WO 01/16789 A3	03/08/2001	Andersen Consulting (Accenture LLP)	

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				Group Art Unit	2122
				Examiner Name	Todd Ingberg Technology Center 2100
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OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
TI	31	**ADDELSTON, J.,** "Business Benefits of Software Process Improvement (SPI)," PRC's Technology Transfer, Vol. 6, No. 6, pages 14 & 15 (12/94).	
	32	**ADDELSTON, J.,** "Capability Maturity Model is Used for Appraisal and Process Improvement," PRC's Technology Transfer, Vol. 4, No. 1, pages 14, 15 & 17 (02/92).	
	33	**ADDELSTON, J.,** "PRC's Perspective on Software Engineering," PRC's Technology Transfer, Vol. 4, No. 4, pages 2-5, & 16 (08/92)	
	34	**ADDELSTON, J.,** "SEI Updates Its Capability Maturity Model," Vol,. 2, No. 4, pages 6 & 7 (10/90).	
	35	**ADDELSTON, J.,** "SEI's Software Capability Evaluation Changing to Meet User's Requirements," Vol. 5, No. 6, pages 10-12 (12/93).	
	36	**ADDELSTON, J.,** "Software Engineering Process Definition," PRC's Technology Transfer, Vol. 4, No. 4, pages 12-14, 18 (08/92).	
	3	**ADDELSTON, J.,** "Software Engineering," PRC's Technology Transfer, Vol. 4, No. 2, pages 8, 9 & 17 (05/92).	
	38	**ADDELSTON, J.,** "Software Process Definition and Improvement Approaches," PRC's Technology Transfer, V2, No. 5, pages 4,5, & 16 (12/90).	
	39	**ADDELSTON, J.,** "Software Quality Estimation and Planning," PRC's Technology Transfer, Vol. 3, No. 1, pages 4-6, 12-13 (2/91).	
	40	**BICKNELL, B.A. et al.,** "The Road Map to Repeatable Success, Using QFD to Implement Change," (1995).	
	41	**BIEMAN, J.,** "Software Metrics: A Rigorous & Practical Approach," 2nd Ed., IBM System Journal, pages 1-3 (1997)	
	42	**BINDER, R.V.,** "Can a Manufacturing Quality Model Work for Software?, " IEEE Software (1997), pages 101, 102 and 105.	
TI	43	**BOEHM, B.,** "Software Engineering Economics," Chapter 4, 32 (1981).	

Examiner Signature		Date Considered	1/17/05

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Application Number	09/387,747
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First Named Inventor	Bowman-Amuah
Group Art Unit	2122
Examiner Name	Todd Ingberg
Attorney Docket Number	AND1P229

Sheet 4 of 8

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
TI	44	**CARMODY, C.,** "Better, Faster, Cheaper – The Goal of The Software Engineering Core Competency," PRC's Technology Transfer, Vol. 7, No. 1, pages 2 & 3 (02/95).	
	45	**CARMODY, C.,** "Software Process Improvement Program Update," PRC's Technology Transfer, Vol. 6, No. 4, pages 8, 9 & 16 (08/94).	
	46	**CHEONG, Y.C. et al.,** "Framebased Method For Customizing Generic Software Architecture," SSR ACM, pages 103-112 (01/99).	
	47	**CONRADI, R. et al.,** "Version Models For Software Configuration Management," ACM Computing Survey, Vol. 30, No. 2, pages 231-282 (06/98).	
	48	**CONTINUUS SOFTWARE CORPORATION,** "Administration Handbook," version 4.1 (1996).	
	49	**CONTINUUS SOFTWARE CORPORATION,** "Command Reference," pages 21-23, released 1996.	
	50	**CONTINUUS SOFTWARE CORPORATION,** "Continuus Distributed CM," cover of manual (1997).	
	51	**CONTINUUS SOFTWARE CORPORATION,** "Continuus Task Based CM," cover of manual (1997).	
	52	**CONTINUUS SOFTWARE CORPORATION,** "Continuus/CM Live! From Planning to Production," (1997).	
	53	**CONTINUUS SOFTWARE CORPORATION,** "Continuus/Problem Tracking Task Reference," (1997).	
	54	**CONTINUUS SOFTWARE CORPORATION,** "Introduction to Continuus/CM 4.1," pages 1-85, released 1996.	
	55	**DIAZ, M. et al.,** "How Software Process Improvement Helped Motorola," IEEE Software, (1997), pages 75-81.	
	56	**DUTOIT, A. et al.,** "The Basic Object System: Supporting a Spectrum From Prototypes to Hardened Code," ACM Sigplan Notices, US, Assoc. For Computing Machinery, NY, Vol. 31, No. 10 (10/01/96), pages 104-121.	
TI	57	**FAIRLEY, R.,** "Software Engineering Concepts," Chapter 1-9 (1985).	

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	Examiner Name	Todd Ingberg
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TT	58	**FERRI, R. et al.,** "Software Reuse Metrics for an Industrial Project," IEEE, pages 165-173 (1997).	
	59	**GRINTER, R.E. et al.,** "Understanding The Role of Configuration Management Systems In Software Development," CHI, pages 39-40 (04/96).	
	60	**GUENTERBERG, S.,** "Key Process Area Training – An Integrated, Innovative Approach to Institutionalizing Process Management Techniques," PRC's Technology Transfer, pages 13 & 15 (04/95).	
	61	**HALL, F.M.,** "Army Software Metrics Training," IEEE, page 588 (1997).	
	62	**HALL, T. et al.,** "Implementing Effective Software Metrics Program," pages 55-65 vol. 1, Number 1, pages 1, 4-5 & 7.	
	63	**HERNDON, J.,** "PRC's Software Process Improvement Program," PRC's Technology Transfer, Vol. 5, No. 3, pages 1-3, 18, 19 (06/93).	
	64	**HICKS, D.L. et al.,** "A Hypermedia Version Control Framework," ACM Transactions on Information Systems Vol. 16, No. 2, pages 127-160 (04/98).	
	65	**HUMPHREY, W.S.,** "Managing the Software Process," Software Engineering Institute, published 1980 (reprint 1990), Chapters 1-20.	
	66	**IEEE,** The Authoritative Dictionary of IEEE Standards Terms, 7th Ed., pages 691.	
	67	**IEEE,** The IEEE Standard Dictionary of Electrical and Electronics Terms, 6th Ed., (04/08/97), pages 651, 849, 850, 1006-1009.	
	68	**JÉZÉQUEL, J.-M.,** "Reifying Configuration Management For Object Oriented Software," IEEE, pages 240-249 (1998).	
TT	69	**KHOSHGOFTAAR, T. et al.,** "The Impact of Costs of Misclassification in Software Quality Modeling," IEEE, pages 54-62 (1997).	

Examiner Signature		Date Considered	1/17/05

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TT	70	**KNUEVEN, J.,** "Improving The PRC Software Development Process," PRC's Technology Transfer, Vol. 1, No. 1, pages 1, 4, 5 & 7 (10/89).	
	71	**KOKOL, D. et al.,** "Software Complexity Metric With The Critical Value," pages 494-499 (1997).	
	72	**LEHMAN, M. et al.,** "Metrics and Laws of Software Evolution – The Nineties View," IEEE, pages 20-32 (1997).	
	73	**LIN, Y.-J. et al.,** "Configuration Management with Logical Structures," Proceedings of ICSE-18, IEEE, pages 298-307 (1996)	
	74	**LUCERO, D.,** "Software Measurement in The US Army", IEEE, pages 589-590 (1997).	
	75	**MARTIN, J.,** Principles of Object-Oriented Analysis and Design, Prentice-Hall, 1992.	
	76	**MAURICE, F. et al.,** "Evaluation and Improvement of Software Products and Processes Based on Measurement," pages 108-111 (1997).	
	77	**MCGIBBON, B.,** "Managing Your Move to Object Technology," Chapter 4, September 22, 1995.	
	78	**MCVICAR, D.,** "The CMM Common Feature Profile," Vol. 6, No. 6, pages 16 & 17 (12/94).	
	79	**MICROSOFT CORPORATION,** Premier Support For The Enterprise, (06/18/00) http://channels microsoft.com/support/customer/basent_support.htm.	
	80	**MICROSOFT CORPORATION,** User's Guide For Microsoft Project for Windows 95 and 3.1 (1995).	
	81	**O'NEIL, J.,** "Benefits from Commitment to Quality Improvement," PRC's Technology Transfer, Vol. 5, No. 5, pages 8, 9 & 15 (10/93).	
TT	82	**OCHUODHO, S.J. et al.,** "A Process Oriented Version And Configuration Management Model For Communication Software," ACM, pages 109-120 (1998).	

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TT	83	**ODA, K.,** "Software Metrics From P2851," PRC's Technology Transfer, Vol. 3, No. 7, pages 4-6 (12/91).	
	84	**OFFEN, R. et al.,** "Establishing Software Measurement Programs,:" IEEE Software, 1997, pages 45-53.	
	85	**PAULK, M. et al.,** "Capability Maturity Model," version 1.1, Tech. Rpt. CMU/SEI-93-TR-024, pages 1-63.	
	86	**PETERSON, M. et al.,** "DOD IM's Approach to Process Improvement," PRC's Technology Transfer, Vol. 7, No. 4 pages 4 &9 (08/95).	
	87	**PFLEEGER, S. et al.,** "Status Report on Software Measurement," IEEE Software, pages 33-43, 1997.	
	88	**RENDER, H. et al.,** "An Object Oriented Model of Software Configuration Management," ACM, pages 127-139 (05/91).	
	89	**SCHAPPERT, A. et al.,** "Automated Support For Software Development With Frameworks," Association of Computing Machinery, 1995 SSR, Seattle, pages 123-127 (01/95).	
	90	**SCHNEIDEWIND, N.,** "Software Metrics Model for Integrating Quality and Prediction," IEEE, pages 402-415 (1997).	
	91	**SCHNEIDEWIND, N.,** "Software Metrics Model for Quality Control," IEEE, pages 127-136 (1997)	
	92	**SCHUSTER, H. et al.,** "A Configuration Management Approach For a Large Workflow Management Systems," ACM WACC, pages 177-186 (08/99).	
	93	**SMITH, D.,** "Software Process Improvement Symposium," PRC's Technology Transfer, Vol. 5, No. 6, pages 14 & 16 (12/93)	
	94	"Software Engineering Institute Visits PRC to Study Process Improvement Methods," Directions, pg. 3 (07/96).	
TT	95	**TAYLOR, D.,** Object-Oriented Information Systems: Planning and Implementation, John Wiley & Sons, Inc., 1992.	

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TP	96	**VAISHNAVI, V.K. et al.**, "A Validation Framework For a Maturity Measurement Model for Safety Critical Software System," ACM, pages 314-322 (09/98).	
	97	**VISAGGIO, G.,** "Structural Information as a Quality Metric in Software Systems Organization," IEEE, pages 92-99 (1997).	
	98	**ZELKOWITZ, M.V.** "Use of An Environmental Classification Model," Proceedings of the 15th International Conference of Software Engineers, pages 248-357 (05/93).	
TP	99	**ZELLER, A.** "A Unified Version Model For Configuration Management," SIGSOFT, pages 151, 160 (02/95).	
	~~100~~	~~**Statement Regarding Petition to Make Special, n.d.**~~ NOT considered by PTO	

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	1/17/05

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